

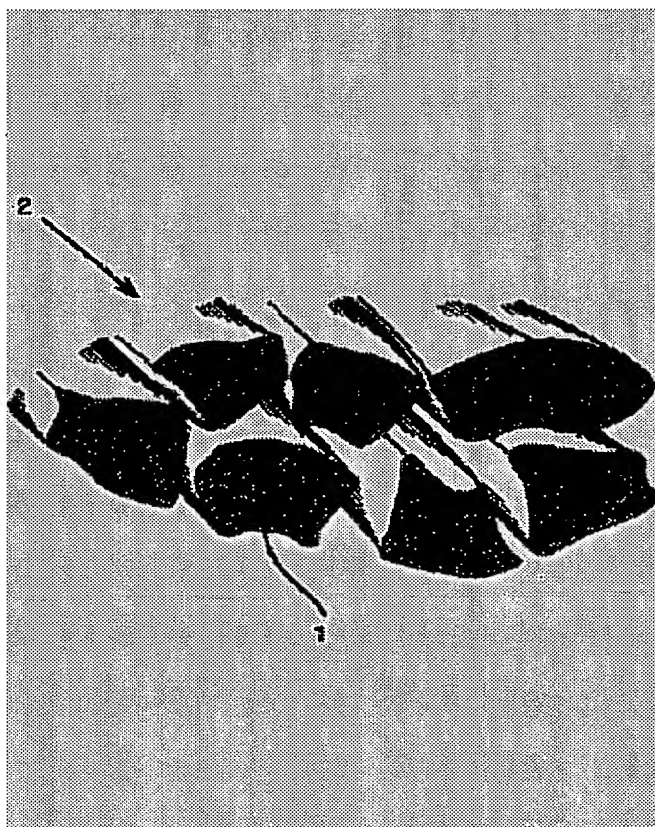
SEPARATOR MATERIAL, ITS MANUFACTURING METHOD, AND BATTERY

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Inventor: YAMAMOTO HIROYUKI; AOKI NOBUO; TANAKA TOMOFUMI; KIDA TATSUNOBU; KAMISASA TOSHIO
Applicant: DAIWA SPINNING CO LTD;; DAIWABO POYTECH KK
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Abstract of JP2003059482

PROBLEM TO BE SOLVED: To provide a separator material having high denseness, not obstructing the passage of an electrolyte or gas, having high short resistance, suppressing increase in internal resistance and internal pressure, and having long charge/ discharge cycle life, and provide the manufacturing method of the separator material. **SOLUTION:** This separator material is a nonwoven fabric containing divided type composite fibers composed of polyolefin resin having a plurality of different components. The divided type composite fibers are divided into very fine fibers 1 having a fineness of less than 0.5 dtex having a divided almost trapezoidal fiber cross section and a very fine fiber bundle 2 bundling the very fine fibers. This separator material makes water dispersed slurry with constituting fibers containing the divided type composite fibers, a wet type paper making web is prepared by dividing a part of the dividing type composite fibers, formed in a nonwoven fabric by drying, and the nonwoven fabric is pressed with a pair of rollers having a temperature higher than 40 deg.C and lower by 30 deg.C or more than a temperature at which constituting fibers are melted so as to have a thickness of 150 μ m or less.



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